



European Patent  
Office

SUPPLEMENTARY  
PARTIAL EUROPEAN SEARCH REPORT  
under Rule 46, paragraph 1 of the European Patent Convention

Application Number

EP 03 71 5923

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 6 168 077 B1 (GRAY ROBERT J ET AL) 2 January 2001 (2001-01-02) * column 1, line 43 - line 46 * * column 4, line 28 - line 59 * -----	1-3	G07F7/10 G07F19/00 G07G1/00
A	WO 92/21110 A (TELEVERKET) 26 November 1992 (1992-11-26) * page 5, line 38 - page 6, line 13 * -----	1-3	
X	US 5 237 487 A (DITTMER ET AL) 17 August 1993 (1993-08-17) * figures 2,3,6 * * column 3, line 3 - line 51 * * column 4, line 8 - line 19 * -----	4-8	
X	EP 0 565 253 A (NCR INTERNATIONAL INC; NCR INTERNATIONAL, INC) 13 October 1993 (1993-10-13) * column 1, line 1 - line 7 * * column 3, line 47 - line 53 * * column 4, line 55 - column 5, line 8 * * figures 1,9 * -----	4-8	
		-/-	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G07F G07G
LACK OF UNITY OF INVENTION			
<p>The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:</p> <p>see sheet B</p>			
<p>2 The present partial European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.</p>			
Place of search		Date of completion of the search	Examiner
The Hague		21 February 2005	Diepstraten, M
CATEGORY OF CITED DOCUMENTS		<p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>	
<p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p>			



**European Patent  
Office**

**SUPPLEMENTARY  
PARTIAL EUROPEAN SEARCH REPORT**

**Application Number**

EP 03 71 5923

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	<p>WO 01/38098 A (IVI CHECKMATE CORP; GROVES, DAVID, HENRY; WONG, YIU, KONG; CROSETTI, J) 31 May 2001 (2001-05-31)</p> <p>* figures 1,4,11,15 *</p> <p>* page 2, line 20 - line 35 *</p> <p>* page 5, line 21 - line 29 *</p> <p>* page 6, line 11 - line 22 *</p> <p>-----</p>	4-8	
A	<p>US 6 003 008 A (POSTREL ET AL)</p> <p>14 December 1999 (1999-12-14)</p> <p>* figure 2 *</p> <p>* column 3, line 32 - line 50 *</p> <p>* column 3, line 61 - line 63 *</p> <p>* column 4, line 66 - column 6, line 23 *</p> <p>-----</p>	4-8	<p>TECHNICAL FIELDS SEARCHED (Int.Cl.7)</p>



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-8

Transaction terminal

1.1. claims: 1-3

System for informing a user of a transaction terminal when encryption is being used

1.2. claims: 4-8

Constructional details of transaction terminal

---

2. claims: 9-14

Capturing signature data on a transaction terminal

---

3. claims: 15-19

Fingerprint reader on a transaction terminal

---

4. claims: 20-26

System for using an imaging module in a transaction terminal

---

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

Multiple (groups of) inventions have been found in this application:

1. Claims 1 - 3:

System for informing a user of a transaction terminal when encryption is being used.

2. Claims 4 - 8

Constructional details of a transaction terminal

3. Claims 9 - 14

Capturing signature data on a transaction terminal

4. Claims 15 - 19

Fingerprint reader on a transactional terminal

5. Claims 20 - 26

System for using an imaging module in a transaction terminal.



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

The common technical feature of all subjects is a transaction terminal consisting of a housing, a display and a card reader.

However, this technical feature is known from the state of the art (i.e. WO0138098) and therefore cannot be considered as the single general inventive concept linking those subjects. (Rule 30(1) EPC)

- The special technical feature representing the contribution over the prior art (i.e. WO0138098) of independent claim 1 (and its dependent claims 2 and 3) is that the terminal is equipped with an encryption system which notifies the user of the fact that encryption is currently being used.
- The special technical feature representing the contribution over the prior art (i.e. WO0138098) of independent claim 4 (and its dependent claims 5 – 8) is an ergonomical housing for a transaction terminal, including self-cleaning card reader.
- The special technical feature representing the contribution over the prior art (i.e. WO0138098) of independent claims 9 and 11 (and their dependent claims 10 and 12 – 14) is the inclusion of a touchscreen, a portion of which is used for capturing signature data, where a system monitors if the signature data is contained in the designated portion of the touchscreen.
- The special technical feature representing the contribution over the prior art (i.e. WO0138098) of independent claim 15 (and its dependent claims 16 – 19) is that a fingerprint reader with a recess for a finger is included, where said recess forms an integral part with a cavity of the card reader.
- The special technical feature representing the contribution over the prior art (i.e. WO0138098) of independent claims 20, 25 and 26 (and its dependent claims 21 – 24) is that an imaging module is included which attracts a user's attention when activated and which can be used for scanning goods or a user's identification document when required.

The special technical features mentioned above are different, and hence the four inventions are not linked by the same special technical feature.

Furthermore, said five inventions are also not linked by corresponding special technical features.

The first invention solves the problem of ensuring transaction security to a user. The second invention solves the problem of facilitating the use of the terminal and keeping the card reader clean. The third invention solves the problem of allowing easy and error free input of signature data. The fourth invention solves the problem of improving fingerprint scanning. The fifth invention solves the problem of allowing users of a transaction terminal to scan items.

The specific problems solved by the special technical features are different and as a result said features are not corresponding technical features.

The five inventions do not have special technical features in common nor



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

do they have corresponding special technical features. As a result they cannot be considered a group of inventions so linked as to form a single general inventive concept. Therefore the requirement regarding unity of invention as put forward by the EPC is not fulfilled (Art. 82 and Rule 30 EPC).

The definitions of the different groups of claimed inventions are solely intended to identify said inventions in a concise manner. They could, as such, comprise terms or generalisations which upon close analysis could be found to extend the defined subject-matter beyond the contents of the application as filed.

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 03 71 5923

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

21-02-2005

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6168077	B1	02-01-2001	AU EP WO US	6268699 A 1131771 A1 0023936 A1 2001000405 A1	08-05-2000 12-09-2001 27-04-2000 26-04-2001
WO 9221110	A	26-11-1992	SE AU AU CA DE DE EP JP SE WO US	470149 B 645909 B2 1786692 A 2086670 A1 69228742 D1 69228742 T2 0560946 A1 6501331 T 9101408 A 9221110 A1 6466657 B1	15-11-1993 27-01-1994 30-12-1992 11-11-1992 29-04-1999 07-10-1999 22-09-1993 10-02-1994 11-11-1992 26-11-1992 15-10-2002
US 5237487	A	17-08-1993	NONE		
EP 0565253	A	13-10-1993	US DE DE EP JP	5297030 A 69318883 D1 69318883 T2 0565253 A2 6223269 A	22-03-1994 09-07-1998 11-03-1999 13-10-1993 12-08-1994
WO 0138098	A	31-05-2001	CA US AU WO	2290732 A1 6373511 B1 1261901 A 0138098 A2	26-05-2001 16-04-2002 04-06-2001 31-05-2001
US 6003008	A	14-12-1999	AU WO	2584399 A 9949432 A1	18-10-1999 30-09-1999

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** \_\_\_\_\_

### **IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**